Safety

Activity 6  
Why Air Bags?

Goals…

* Model an automobile air bag
* Relate pressure to force and area
* Demonstrate that the force of an impact can be reduced by spreading it out over a longer time

For You To Read Key Points To Learn

* In your lab –
  + You Click here to enter text. an object with a Click here to enter text.
  + You stopped the object Click here to enter text. or Click here to enter text.
  + Click here to enter text. stop = Click here to enter text. damage
  + Click here to enter text. stop = Click here to enter text. damage
* Click here to enter text.: the product of Click here to enter text. and the interval of Click here to enter text. during which the force acts; impulse results in a Click here to enter text.
* Impulse = Click here to enter text.
* Calculated in Click here to enter text.
* The Click here to enter text. the force and the Click here to enter text. the time interval, the Click here to enter text. the damage that is done
* Stopping an object Click here to enter text. damage
* The Click here to enter text. the surface, the Click here to enter text. the stopping distance and the greater the damage
* Airbags Click here to enter text. the time it takes to stop in a collision